

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100824\
 Data File : VW030445.D
 Acq On : 08 Oct 2024 14:12
 Operator : SY/MD
 Sample : P4329-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 09 01:18:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 09 01:13:46 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	137646	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	129128	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	66431	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	17224	16.013	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.040%
7) Chloroethane-d5	2.899	69	13929	17.798	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.200%
11) 1,1-Dichloroethene-d2	4.021	65	14111	17.973	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.880%
21) 2-Butanone-d5	7.081	46	15280	35.325	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.660%
24) Chloroform-d	7.654	84	81375	22.006	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.040%
26) 1,2-Dichloroethane-d4	8.307	65	38082	19.730	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.920%
32) Benzene-d6	8.276	84	136321	18.836	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.360%
36) 1,2-Dichloropropane-d6	9.276	67	39856	18.310	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	73.240%
41) Toluene-d8	10.325	98	134250	20.230	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.920%
43) trans-1,3-Dichloroprop...	10.581	79	17631	19.473	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.880%
47) 2-Hexanone-d5	10.922	63	15149	42.146	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.300%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	36498	22.439	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.760%
66) 1,2-Dichlorobenzene-d4	13.855	152	50201	22.761	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.040%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	70553	44.119	ug/L #	67
13) Acetone	4.125	43	31428	68.494	ug/L	95
16) Methylene chloride	4.923	84	142460	67.244	ug/L	90
17) trans-1,2-Dichloroethene	5.429	96	54846	29.544	ug/L	91
18) Methyl tert-butyl Ether	5.429	73	119019	40.309	ug/L	96
19) 1,1-Dichloroethane	6.222	63	264953	74.945	ug/L	96
22) 2-Butanone	7.167	43	92824	158.249	ug/L	93
25) Chloroform	7.679	83	307030	83.742	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	2022	0.676	ug/L	98
31) Carbon tetrachloride	8.075	117	47214	17.661	ug/L	98
33) Benzene	8.325	78	473766	60.237	ug/L	100
34) Trichloroethene	9.093	95	198360	94.816	ug/L	97
37) 1,2-Dichloropropane	9.374	63	63466	30.584	ug/L #	96
39) cis-1,3-Dichloropropene	10.075	75	184299	57.921	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	127016	119.002	ug/L #	93
44) trans-1,3-Dichloropropene	10.605	75	176944	67.112	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	69420	47.471	ug/L	96
50) 1,2-Dibromoethane	11.233	107	63794	46.103	ug/L	98
53) m,p-Xylene	11.837	106	186201	52.292	ug/L	85

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100824\
Data File : VW030445.D
Acq On : 08 Oct 2024 14:12
Operator : SY/MD
Sample : P4329-01
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 09 01:18:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 09 01:13:46 2024
Response via : Initial Calibration

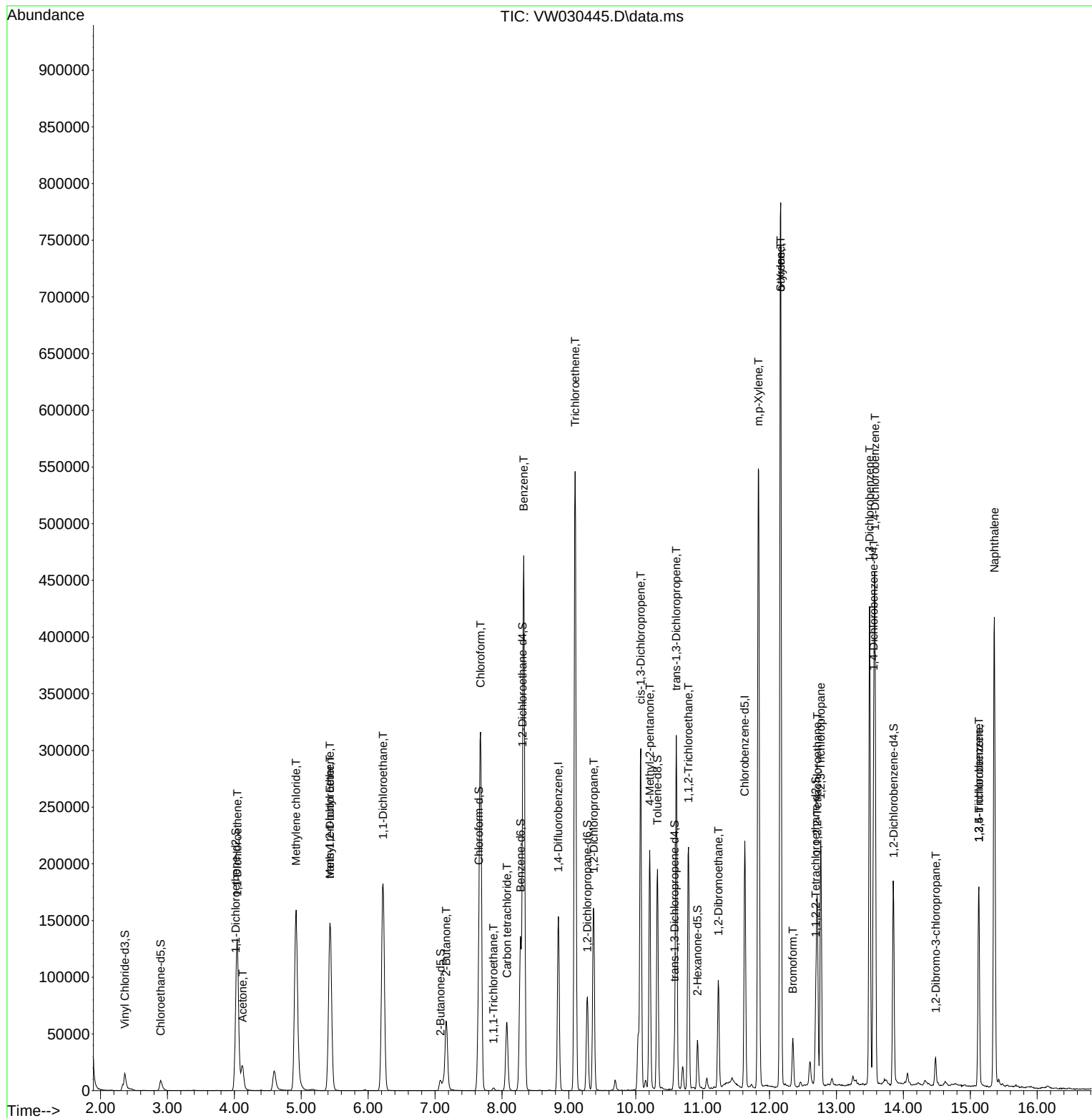
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.166	106	228399	67.391	ug/L	87
55) Styrene	12.166	104	10990	1.901	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.715	83	79513	46.426	ug/L #	98
59) Bromoform	12.349	173	20326	21.120	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	91202	72.218	ug/L	95
64) 1,3-Dichlorobenzene	13.495	146	178168	42.282	ug/L	86
65) 1,4-Dichlorobenzene	13.574	146	177042	41.128	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.483	75	6334	21.890	ug/L #	76
69) 1,3,5-Trichlorobenzene	15.129	180	61467	21.135	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	61467	25.527	ug/L	98
71) Naphthalene	15.360	128	374465	85.020	ug/L	99

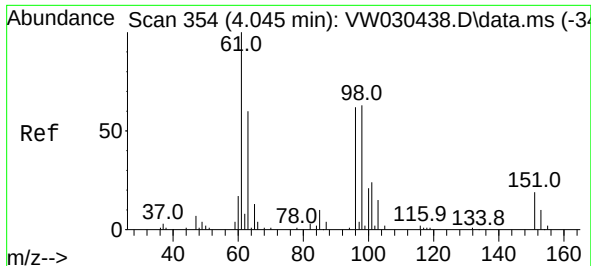
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100824\
Data File : VW030445.D
Acq On : 08 Oct 2024 14:12
Operator : SY/MD
Sample : P4329-01
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 09 01:18:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 09 01:13:46 2024
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 44.119 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.000 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Instrument :

MSVOA_W

ClientSampleId :

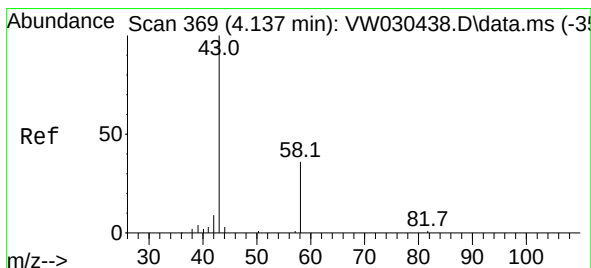
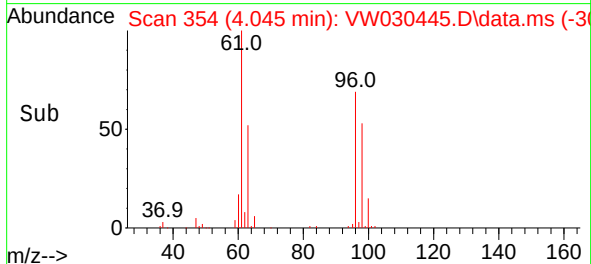
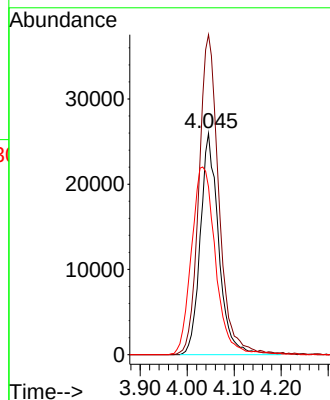
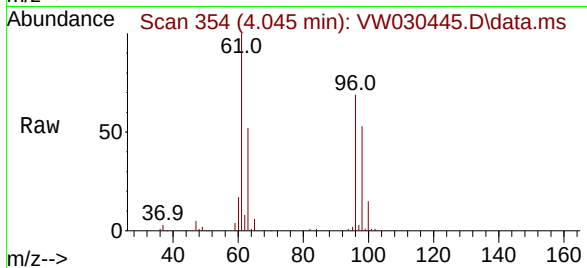
Tgt Ion: 96 Resp: 70553

Ion Ratio Lower Upper

96 100

61 144.6 120.1 223.1

63 75.8 94.8 176.2#



#13

Acetone

Concen: 68.494 ug/L

RT: 4.125 min Scan# 367

Delta R.T. -0.012 min

Lab File: VW030445.D

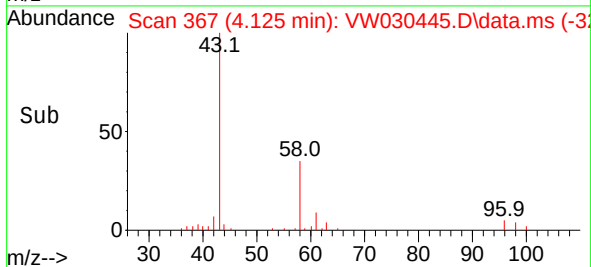
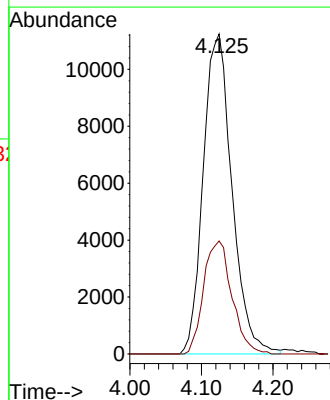
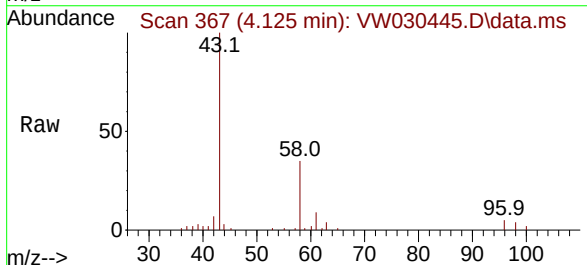
Acq: 08 Oct 2024 14:12

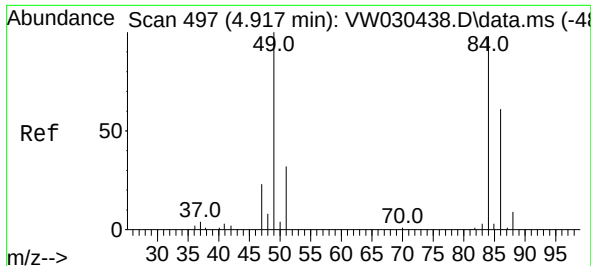
Tgt Ion: 43 Resp: 31428

Ion Ratio Lower Upper

43 100

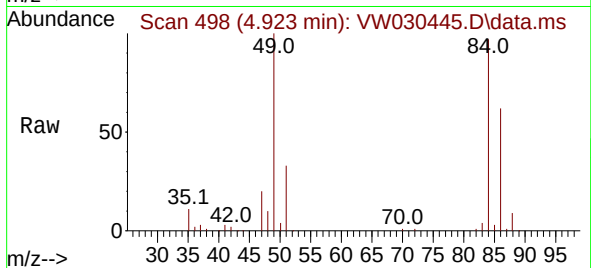
58 34.7 0.0 64.0



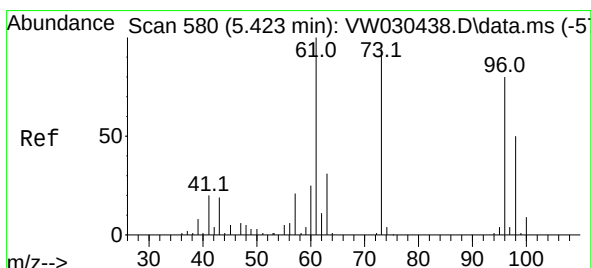
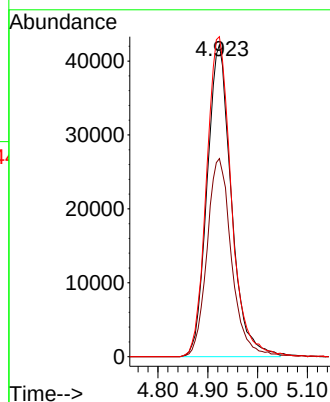
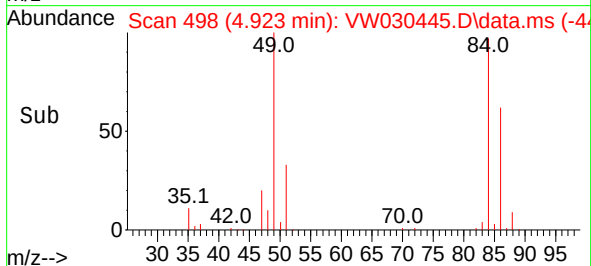


#16
Methylene chloride
Concen: 67.244 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW030445.D
Acq: 08 Oct 2024 14:12

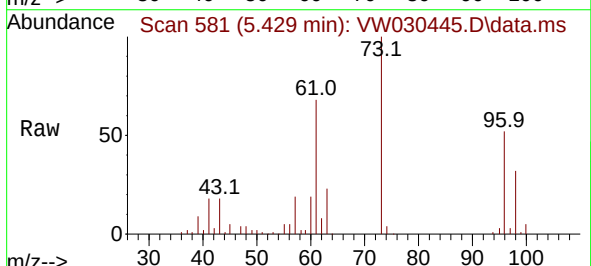
Instrument :
MSVOA_W
ClientSampleId :



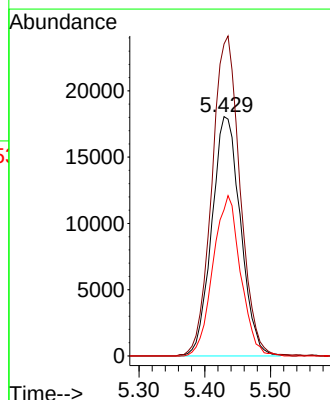
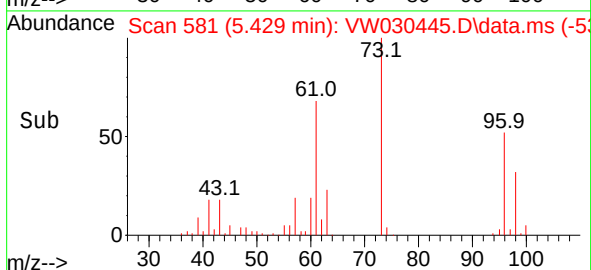
Tgt Ion: 84 Resp: 142460
Ion Ratio Lower Upper
84 100
86 63.6 44.8 83.2
49 102.6 83.6 155.2

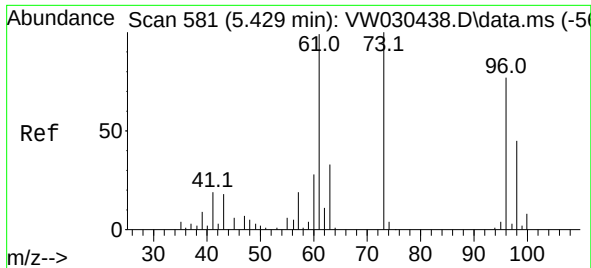


#17
trans-1,2-Dichloroethene
Concen: 29.544 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW030445.D
Acq: 08 Oct 2024 14:12



Tgt Ion: 96 Resp: 54846
Ion Ratio Lower Upper
96 100
61 130.3 100.3 186.3
98 61.1 46.3 86.1

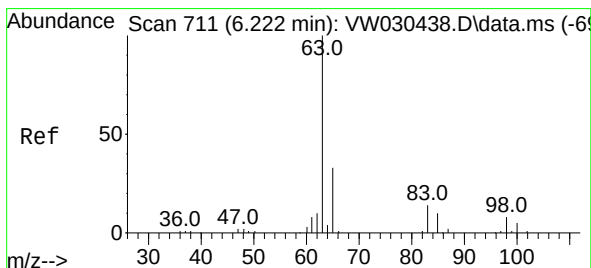
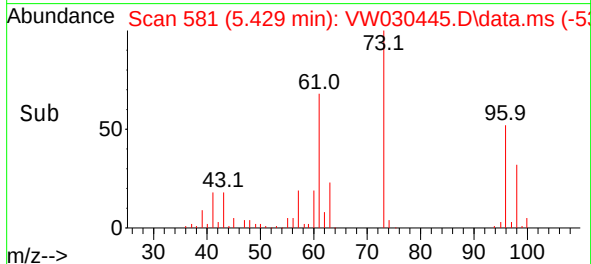
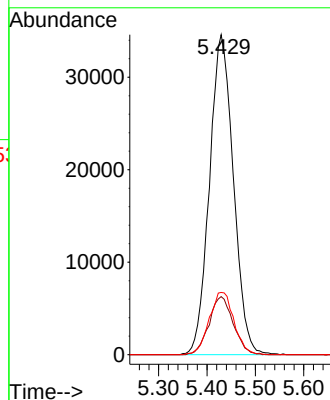
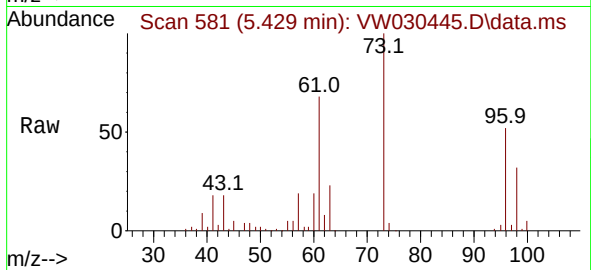




#18
Methyl tert-butyl Ether
Concen: 40.309 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW030445.D
Acq: 08 Oct 2024 14:12

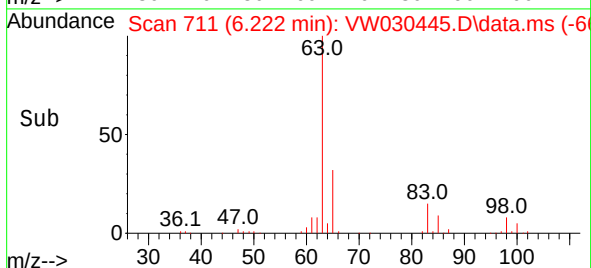
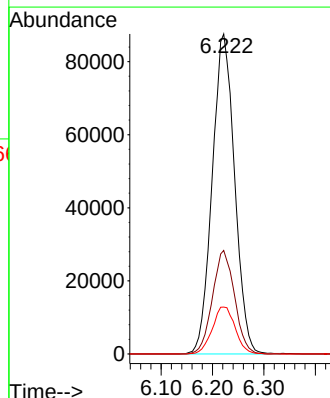
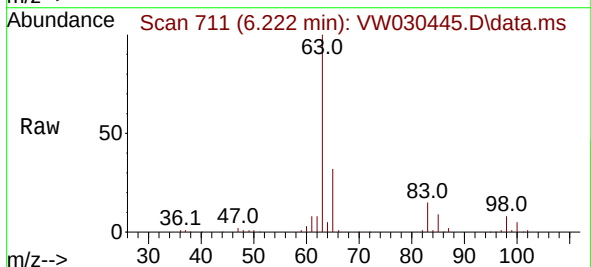
Instrument :
MSVOA_W
ClientSampleId :

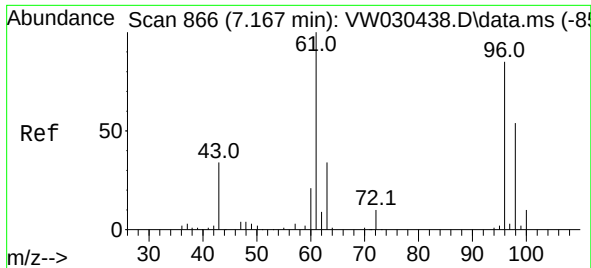
Tgt Ion:	73	Resp:	119019
Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.9	23.9
57	20.1	17.6	26.4



#19
1,1-Dichloroethane
Concen: 74.945 ug/L
RT: 6.222 min Scan# 711
Delta R.T. -0.000 min
Lab File: VW030445.D
Acq: 08 Oct 2024 14:12

Tgt Ion:	63	Resp:	264953
Ion	Ratio	Lower	Upper
63	100		
65	32.3	20.7	38.5
83	14.7	9.9	18.3





#22

2-Butanone

Concen: 158.249 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Instrument :

MSVOA_W

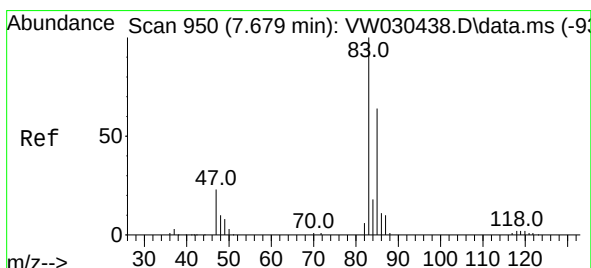
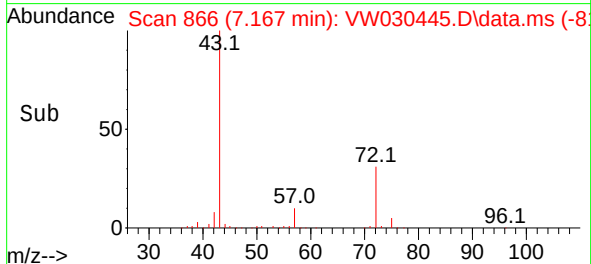
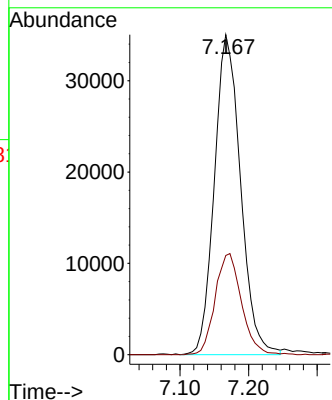
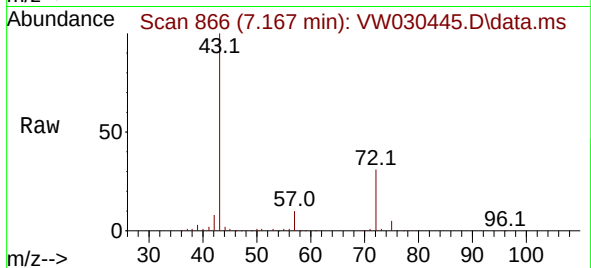
ClientSampleId :

Tgt Ion: 43 Resp: 92824

Ion Ratio Lower Upper

43 100

72 31.6 14.1 42.3



#25

Chloroform

Concen: 83.742 ug/L

RT: 7.679 min Scan# 950

Delta R.T. -0.000 min

Lab File: VW030445.D

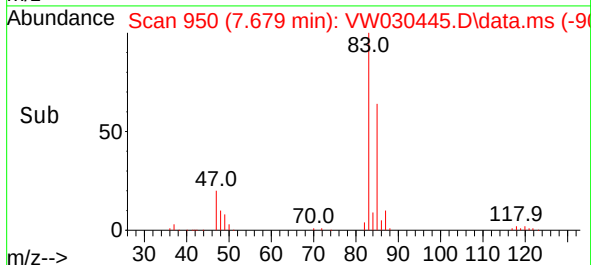
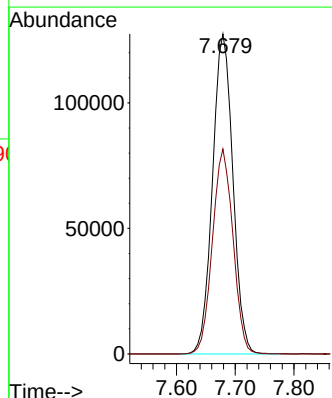
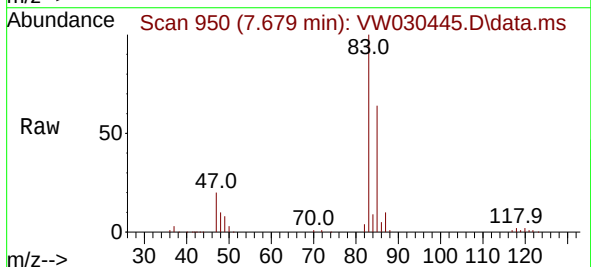
Acq: 08 Oct 2024 14:12

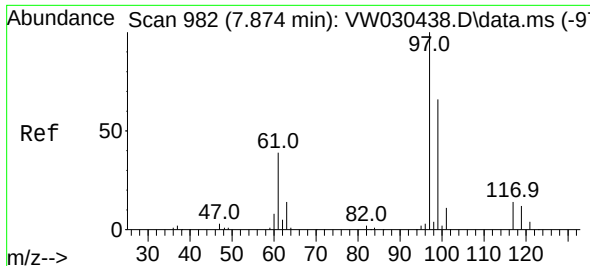
Tgt Ion: 83 Resp: 307030

Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.0





#30

1,1,1-Trichloroethane

Concen: 0.676 ug/L

RT: 7.874 min Scan# 9

Delta R.T. -0.000 min

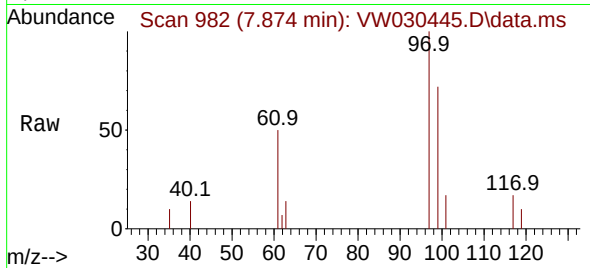
Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Instrument :

MSVOA_W

ClientSampleId :



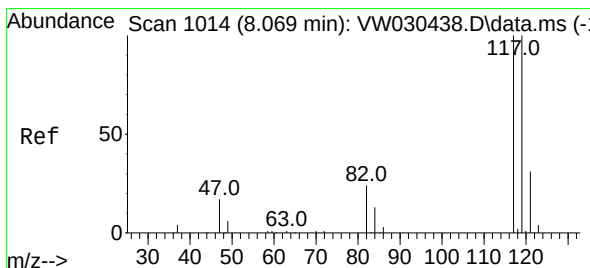
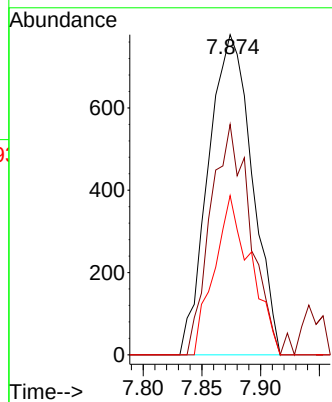
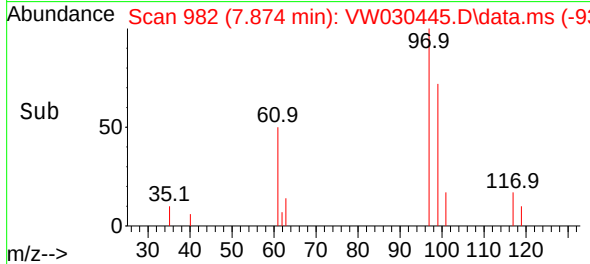
Tgt Ion: 97 Resp: 2022

Ion Ratio Lower Upper

97 100

99 65.5 50.9 76.3

61 41.3 34.1 51.1



#31

Carbon tetrachloride

Concen: 17.661 ug/L

RT: 8.075 min Scan# 1015

Delta R.T. 0.006 min

Lab File: VW030445.D

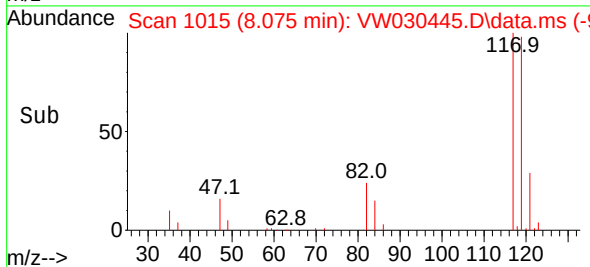
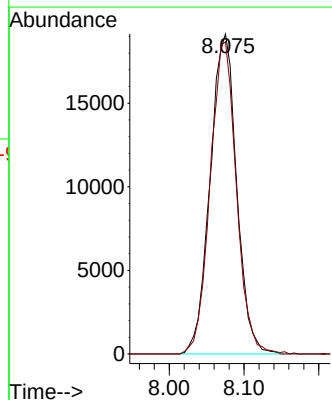
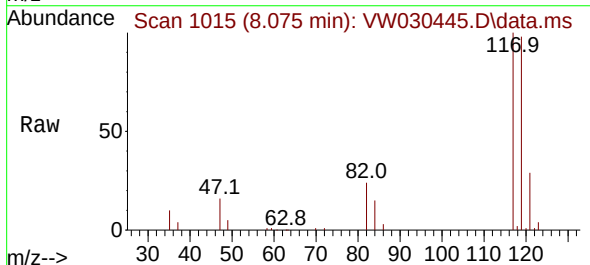
Acq: 08 Oct 2024 14:12

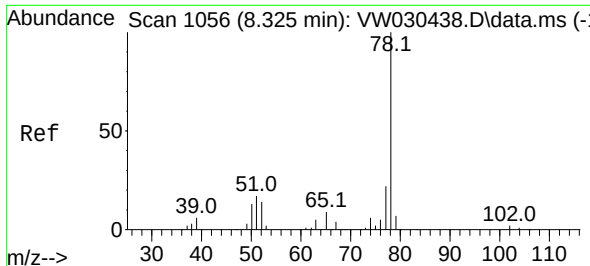
Tgt Ion: 117 Resp: 47214

Ion Ratio Lower Upper

117 100

119 96.3 75.5 113.3

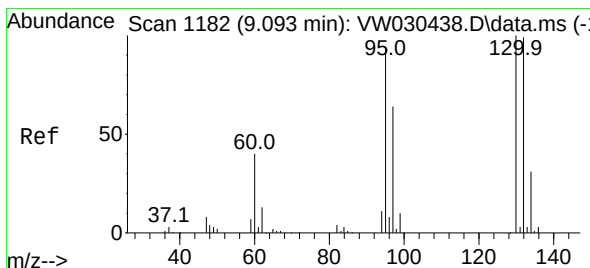
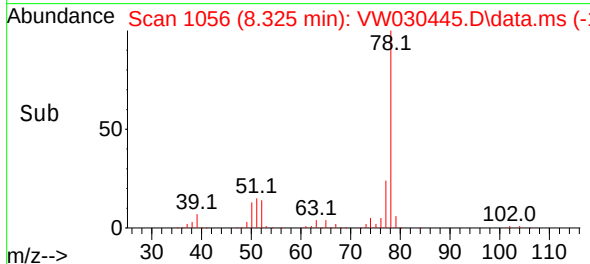
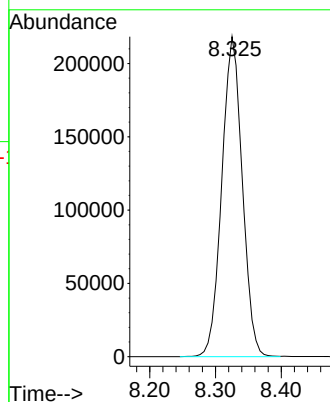
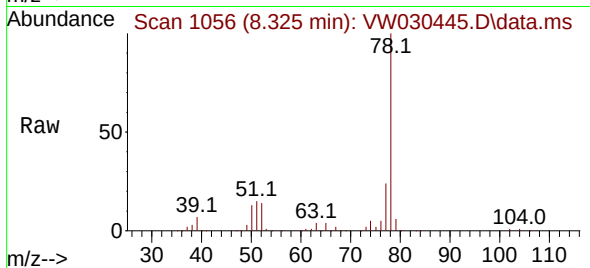




#33
Benzene
Concen: 60.237 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW030445.D
Acq: 08 Oct 2024 14:12

Instrument :
MSVOA_W
ClientSampleId :

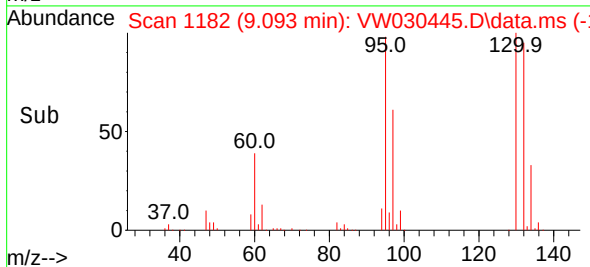
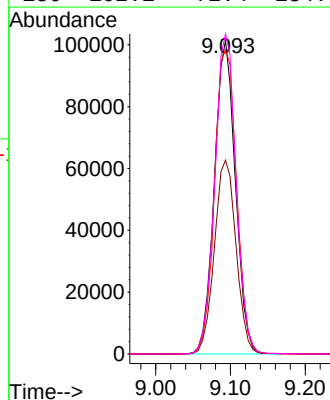
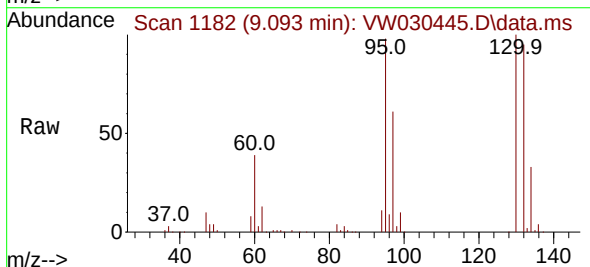
Tgt Ion: 78 Resp: 473766

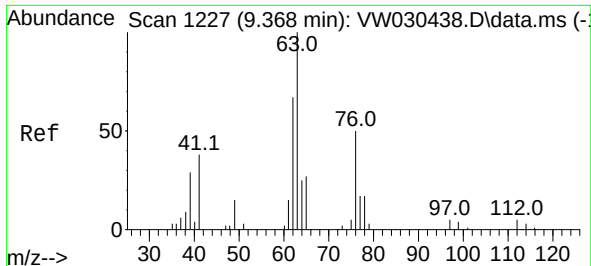


#34
Trichloroethene
Concen: 94.816 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW030445.D
Acq: 08 Oct 2024 14:12

Tgt Ion: 95 Resp: 198360

Ion	Ratio	Lower	Upper
95	100		
97	61.8	47.5	88.1
132	97.1	66.7	123.9
130	102.1	72.4	134.5





#37

1,2-Dichloropropane

Concen: 30.584 ug/L

RT: 9.374 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Instrument :

MSVOA_W

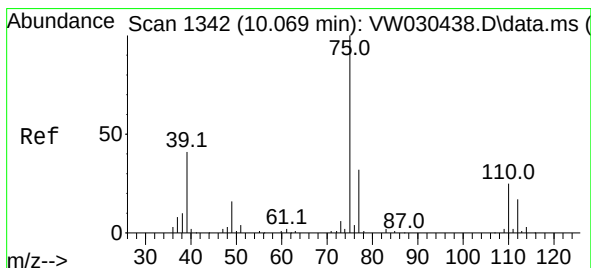
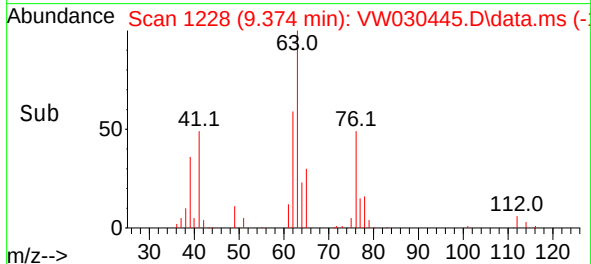
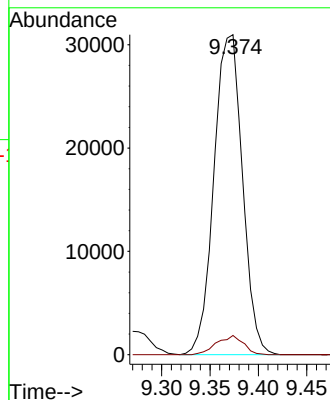
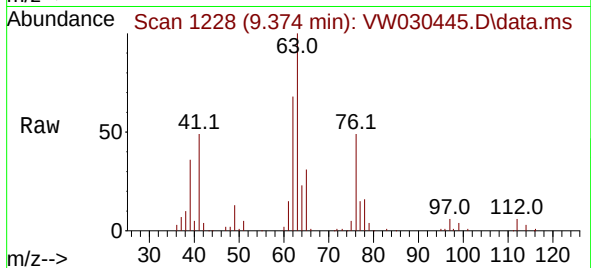
ClientSampleId :

Tgt Ion: 63 Resp: 63466

Ion Ratio Lower Upper

63 100

112 5.6 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 57.921 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW030445.D

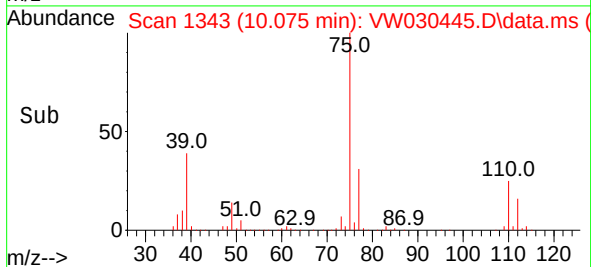
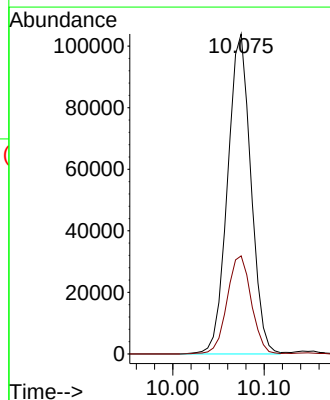
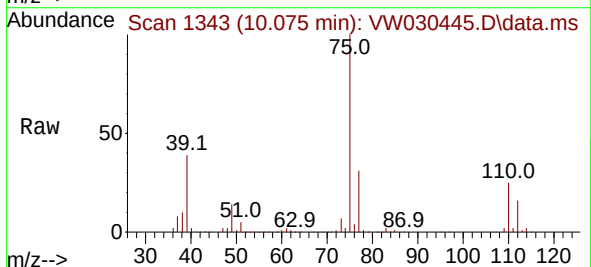
Acq: 08 Oct 2024 14:12

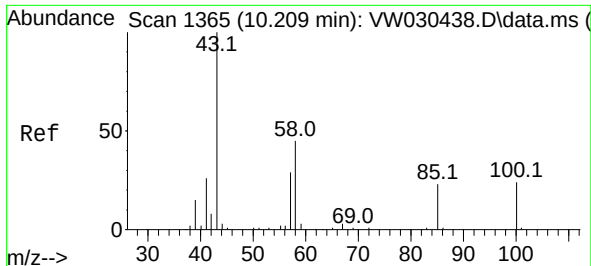
Tgt Ion: 75 Resp: 184299

Ion Ratio Lower Upper

75 100

77 30.7 22.0 40.8





#40

4-Methyl-2-pentanone

Concen: 119.002 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Instrument :

MSVOA_W

ClientSampleId :

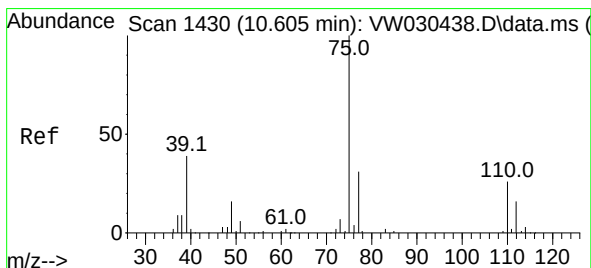
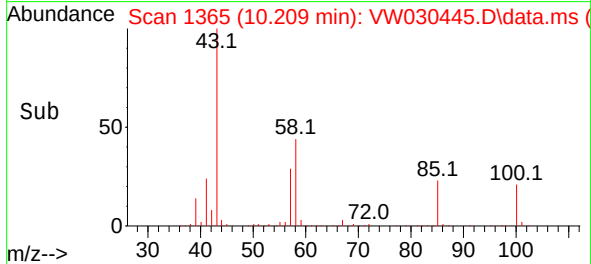
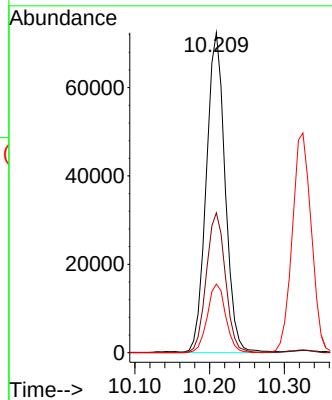
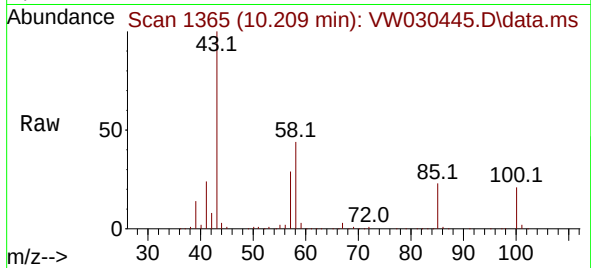
Tgt Ion: 43 Resp: 127016

Ion Ratio Lower Upper

43 100

58 44.1 32.6 48.8

100 20.9 12.5 18.7#



#44

trans-1,3-Dichloropropene

Concen: 67.112 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030445.D

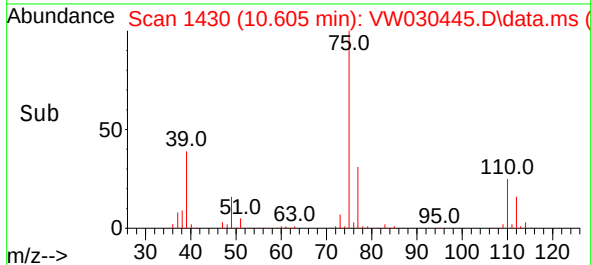
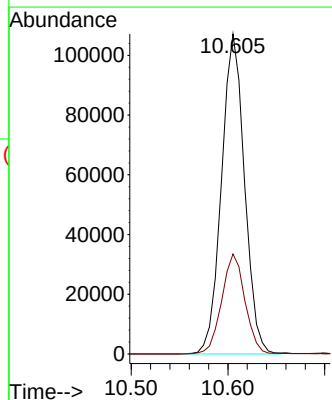
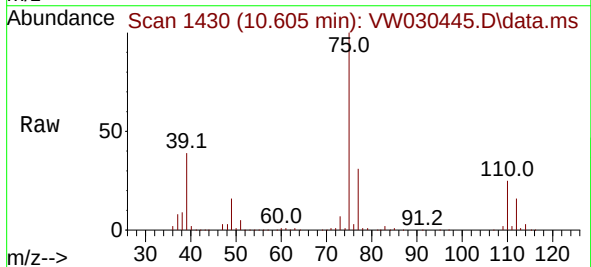
Acq: 08 Oct 2024 14:12

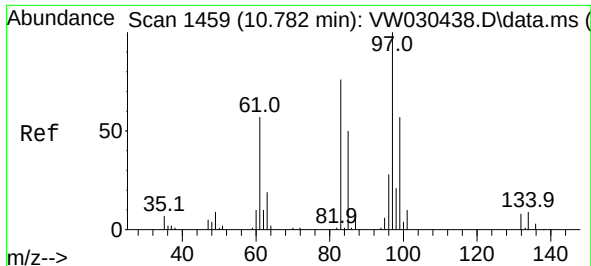
Tgt Ion: 75 Resp: 176944

Ion Ratio Lower Upper

75 100

77 31.3 20.8 38.6





#45

1,1,2-Trichloroethane

Concen: 47.471 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

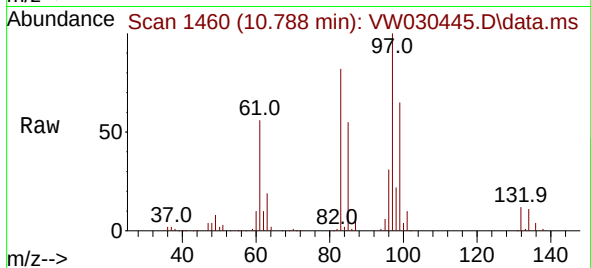
Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 69420

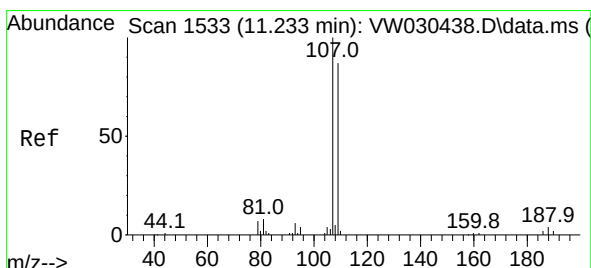
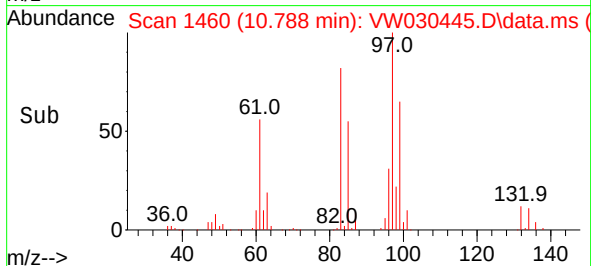
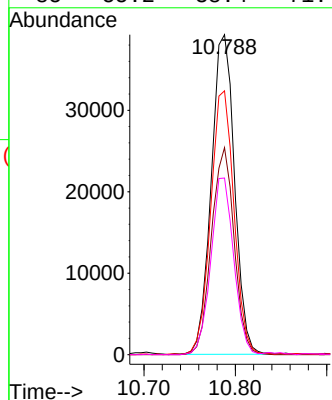
Ion Ratio Lower Upper

97 100

99 64.7 40.8 75.8

83 82.4 59.1 109.7

85 55.2 38.4 71.4



#50

1,2-Dibromoethane

Concen: 46.103 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

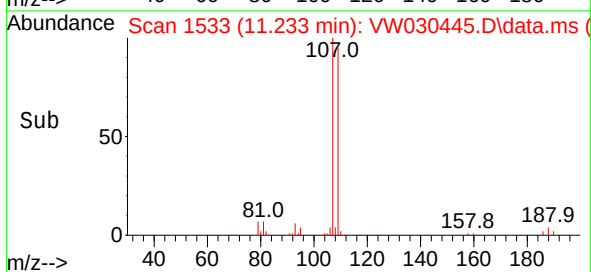
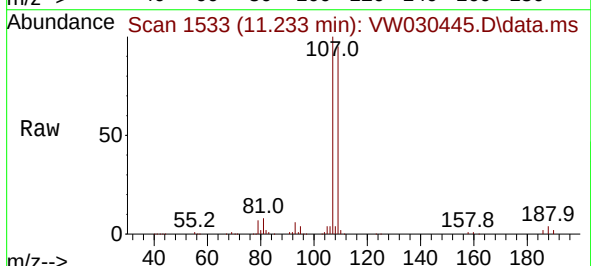
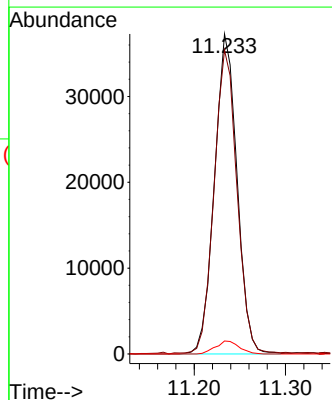
Tgt Ion:107 Resp: 63794

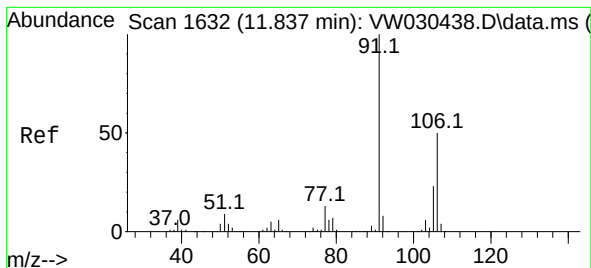
Ion Ratio Lower Upper

107 100

109 95.0 67.8 125.8

188 4.1 2.9 4.3





#53

m,p-Xylene

Concen: 52.292 ug/L

RT: 11.837 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Instrument :

MSVOA_W

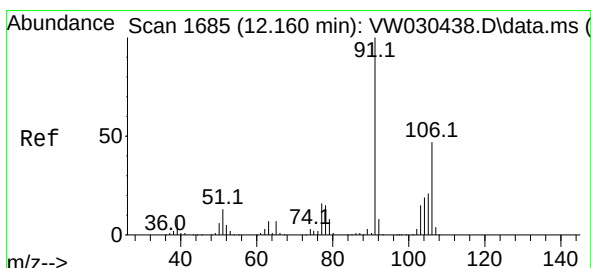
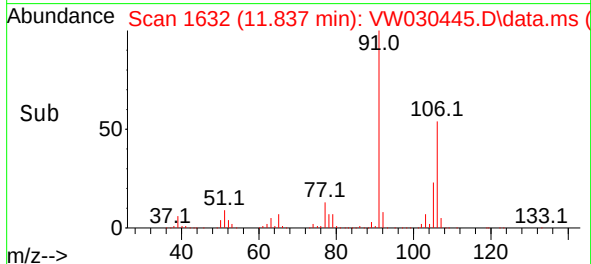
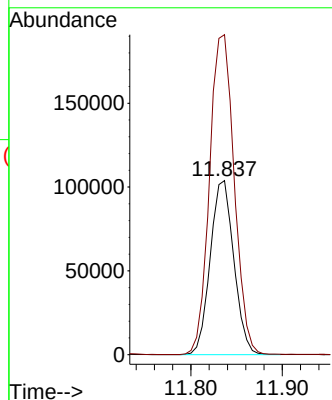
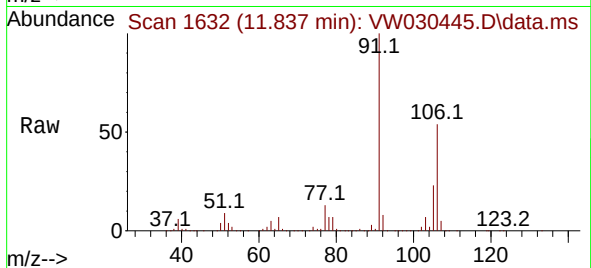
ClientSampleId :

Tgt Ion:106 Resp: 186201

Ion Ratio Lower Upper

106 100

91 183.8 144.4 268.2



#54

o-Xylene

Concen: 67.391 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW030445.D

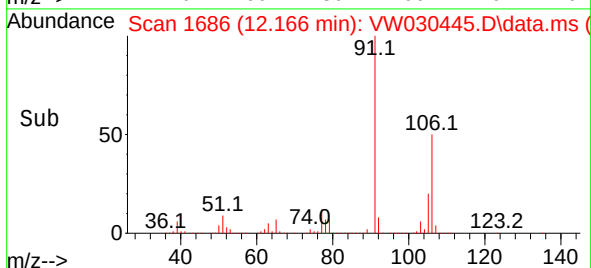
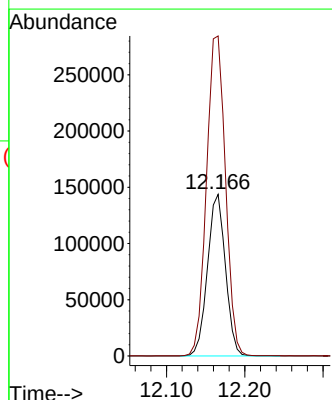
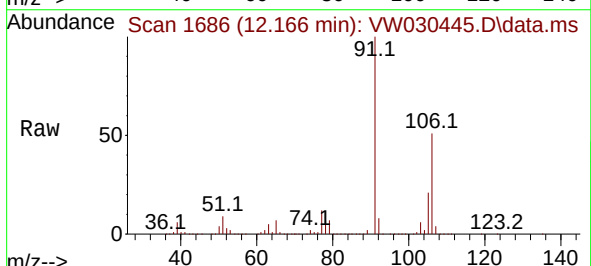
Acq: 08 Oct 2024 14:12

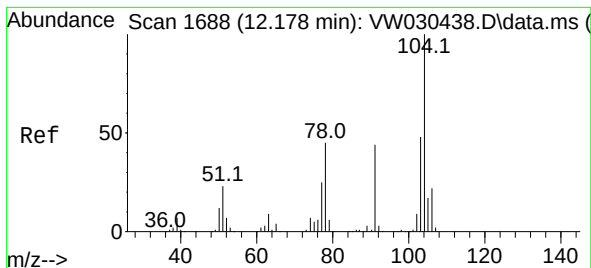
Tgt Ion:106 Resp: 228399

Ion Ratio Lower Upper

106 100

91 198.0 153.6 285.2





#55

Styrene

Concen: 1.901 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Instrument :

MSVOA_W

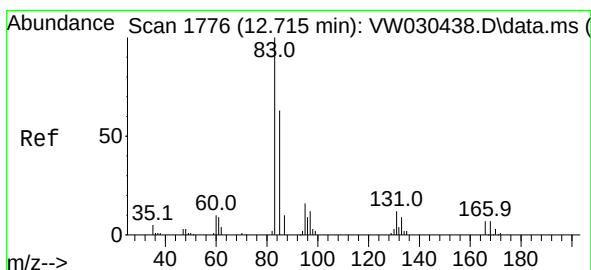
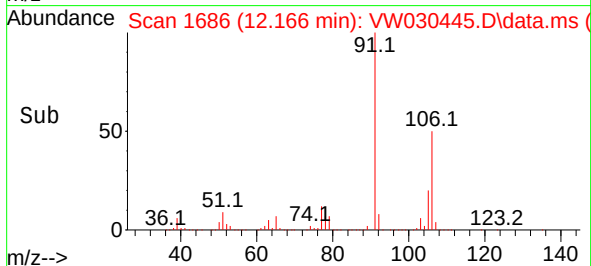
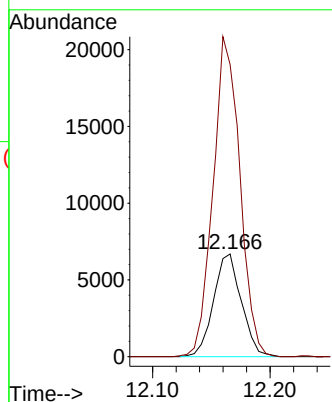
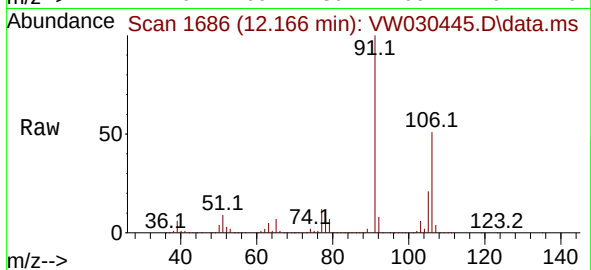
ClientSampleId :

Tgt Ion:104 Resp: 10990

Ion Ratio Lower Upper

104 100

78 284.3 34.6 64.3#



#57

1,1,2,2-Tetrachloroethane

Concen: 46.426 ug/L

RT: 12.715 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

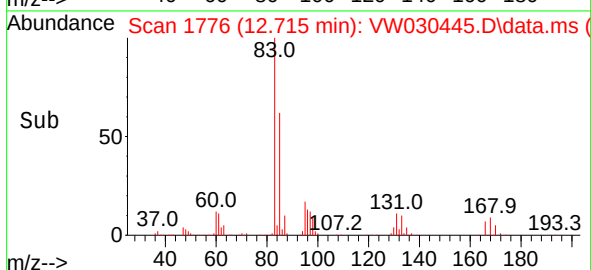
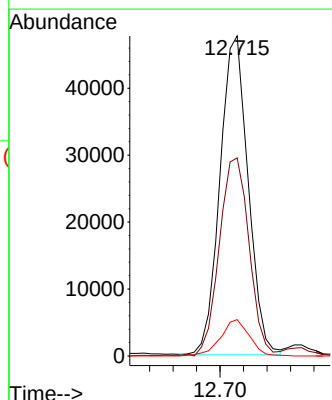
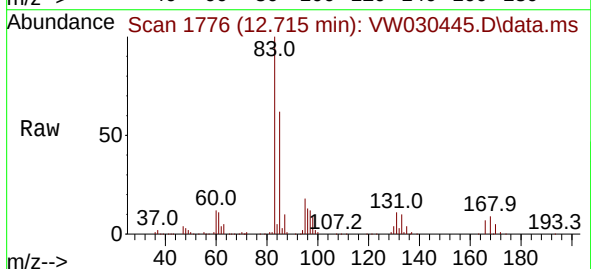
Tgt Ion: 83 Resp: 79513

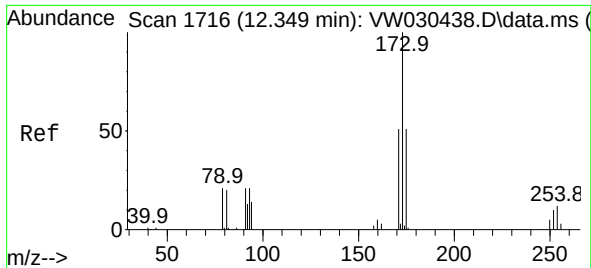
Ion Ratio Lower Upper

83 100

85 61.9 43.9 81.5

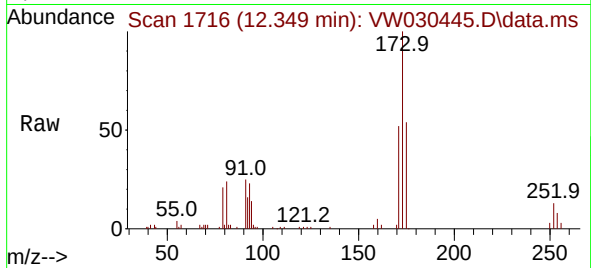
131 11.3 7.1 10.7#



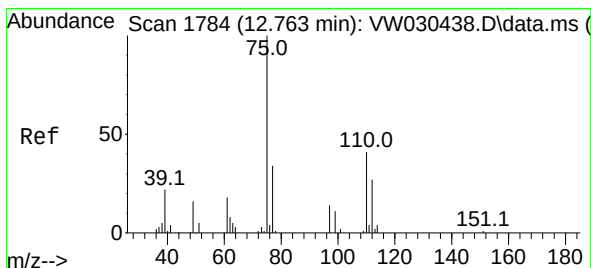
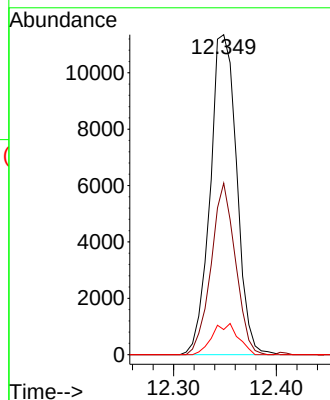
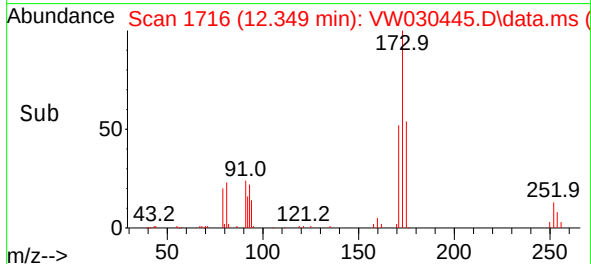


#59
Bromoform
Concen: 21.120 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW030445.D
Acq: 08 Oct 2024 14:12

Instrument :
MSVOA_W
ClientSampleId :

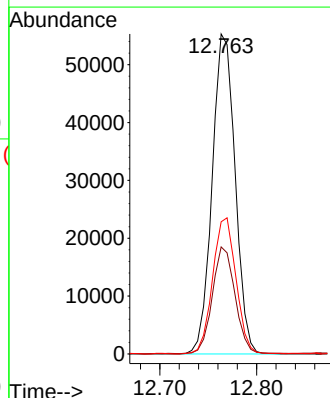
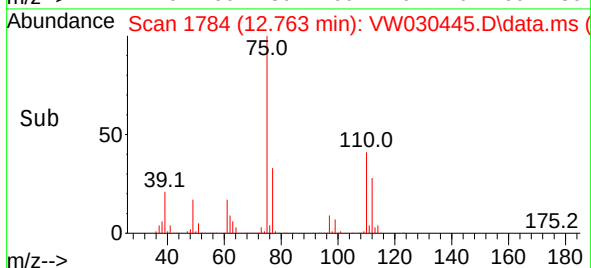
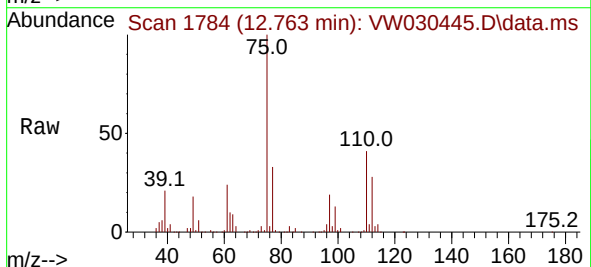


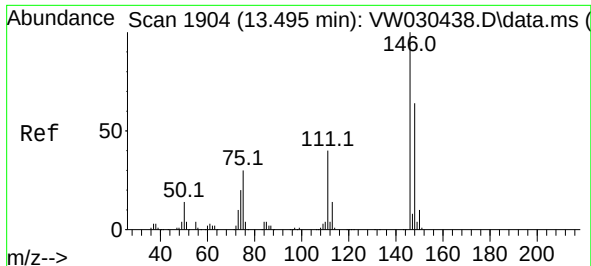
Tgt Ion:173 Resp: 20326
Ion Ratio Lower Upper
173 100
175 49.0 38.7 58.1
254 9.6 7.4 11.2



#61
1,2,3-Trichloropropane
Concen: 72.218 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW030445.D
Acq: 08 Oct 2024 14:12

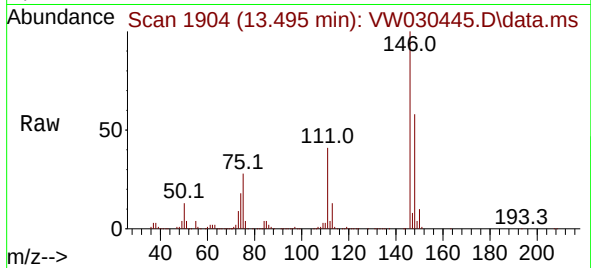
Tgt Ion: 75 Resp: 91202
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.2
110 43.4 30.8 46.2



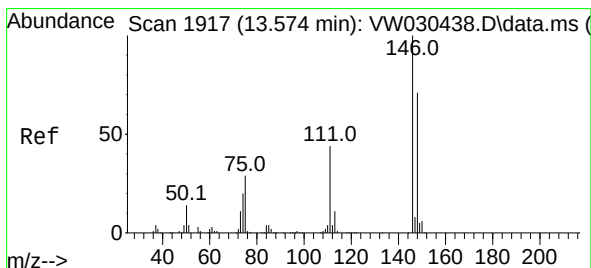
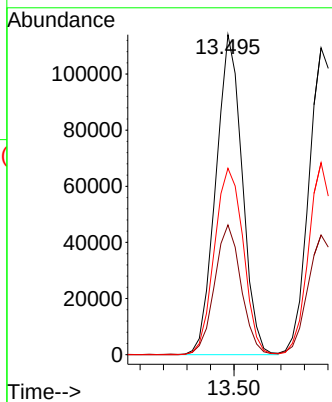
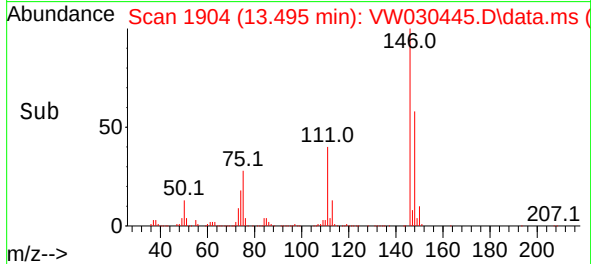


#64
1,3-Dichlorobenzene
Concen: 42.282 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030445.D
Acq: 08 Oct 2024 14:12

Instrument :
MSVOA_W
ClientSampleId :

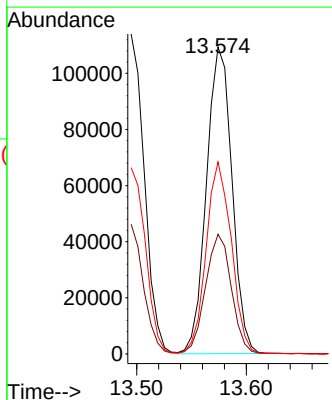
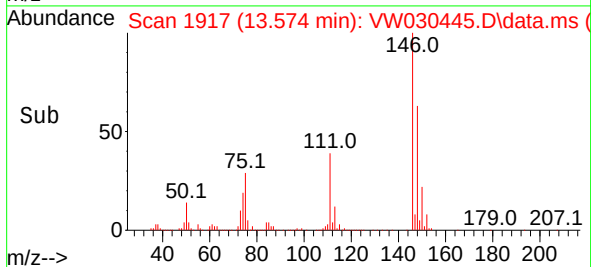
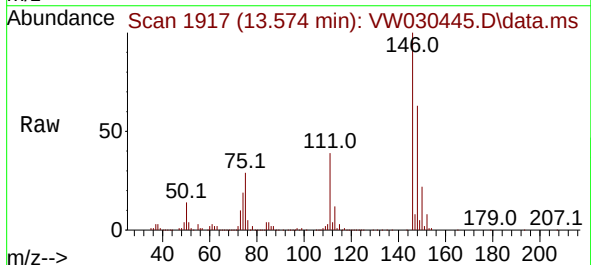


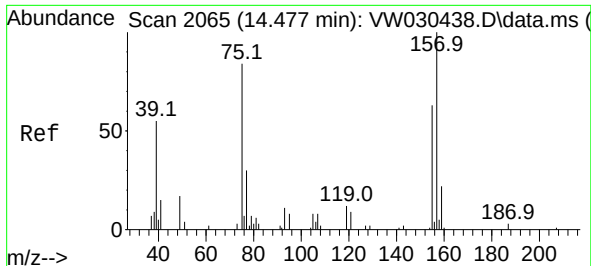
Tgt Ion:146 Resp: 178168
Ion Ratio Lower Upper
146 100
111 40.6 33.2 61.6
148 58.2 50.4 93.6



#65
1,4-Dichlorobenzene
Concen: 41.128 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030445.D
Acq: 08 Oct 2024 14:12

Tgt Ion:146 Resp: 177042
Ion Ratio Lower Upper
146 100
111 39.0 29.1 54.1
148 62.6 42.1 78.1





#68

1,2-Dibromo-3-chloropropane

Concen: 21.890 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW030445.D

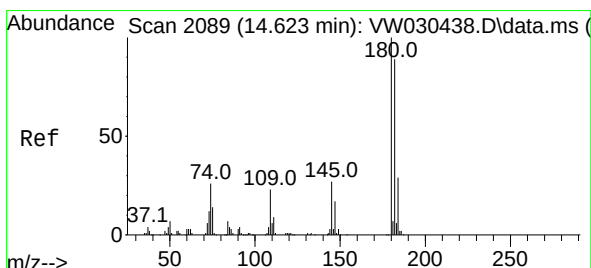
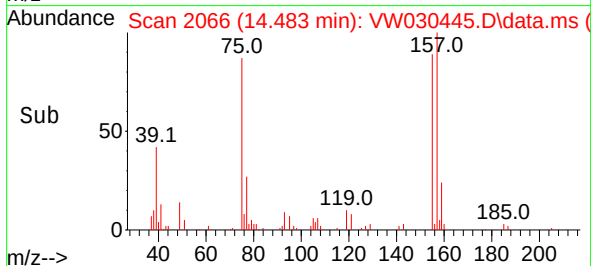
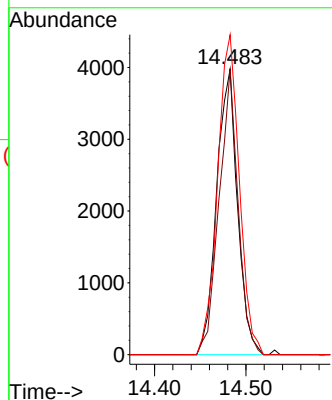
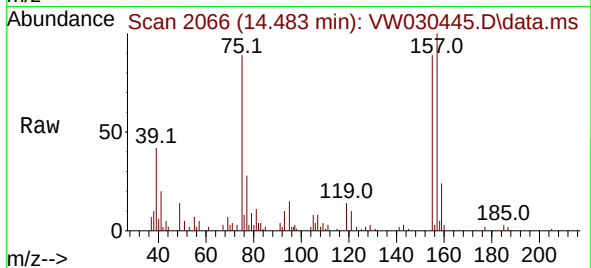
Acq: 08 Oct 2024 14:12

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 75	Resp: 6334
Ion Ratio	Lower Upper
75	100
155	100.2 60.1 90.1#
157	112.1 74.3 111.5#



#69

1,3,5-Trichlorobenzene

Concen: 21.135 ug/L

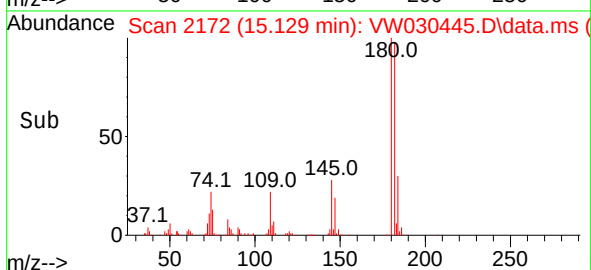
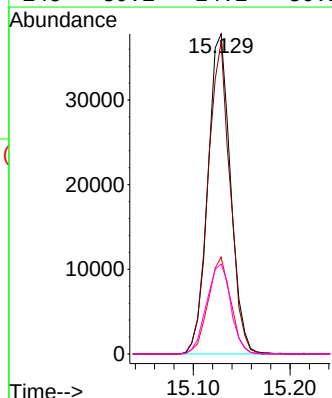
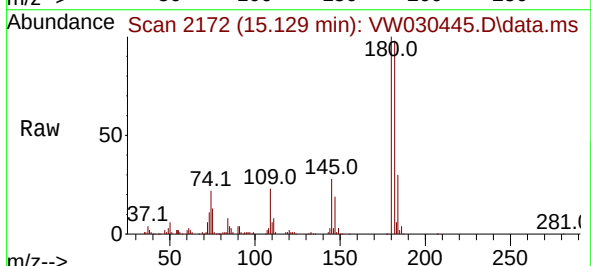
RT: 15.129 min Scan# 2172

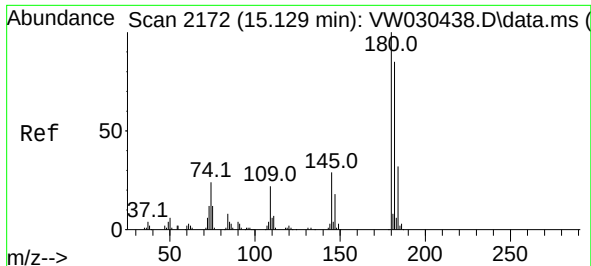
Delta R.T. 0.506 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Tgt Ion: 180	Resp: 61467
Ion Ratio	Lower Upper
180	100
182	95.0 77.4 116.2
184	30.0 24.5 36.7
145	30.1 24.2 36.2





#70

1,2,4-trichlorobenzene

Concen: 25.527 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Instrument :

MSVOA_W

ClientSampleId :

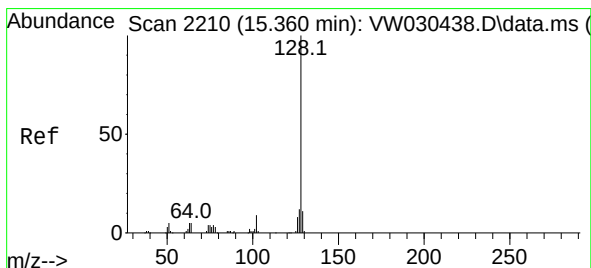
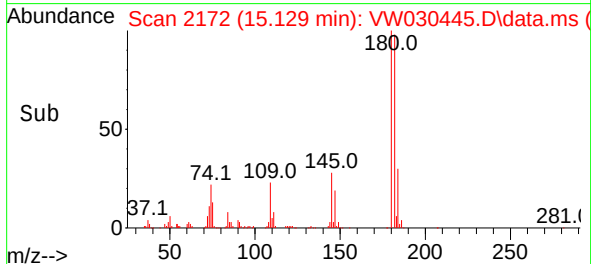
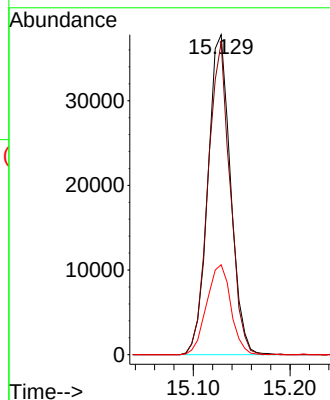
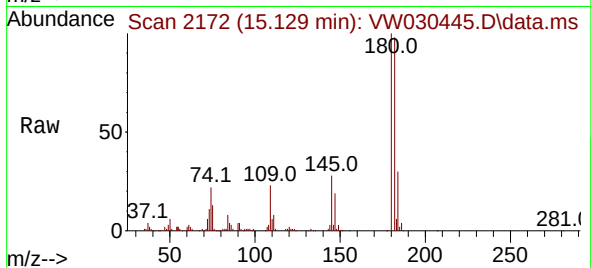
Tgt Ion:180 Resp: 61467

Ion Ratio Lower Upper

180 100

182 95.0 77.2 115.8

145 30.1 25.3 37.9



#71

Naphthalene

Concen: 85.020 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW030445.D

Acq: 08 Oct 2024 14:12

Tgt Ion:128 Resp: 374465

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 11.0 8.8 13.2

